

Student Name: _____

Score: _____

Adding and Subtracting Numbers in Scientific Notation

Example: $7.4 \times 10^2 + 2.735 \times 10^6$

$$\begin{aligned} &7.4 \times 10^2 + 2.735 \times 10^6 \\ &= 0.00074 \times 10^6 + 2.735 \times 10^6 \\ &= (0.00074 + 2.735) \times 10^6 \\ &= 2.73574 \times 10^6 \end{aligned}$$

Answer: **2.73574×10^6**

$$2 \times 10^3 - 1.9 \times 10^2$$

Answer:

$$5.2 \times 10^7 + 3.01 \times 10^4$$

Answer:

$$2.005 \times 10^5 - 8.664 \times 10^2$$

Answer:

$$6.2 \times 10^5 + 9.7 \times 10^1$$

Answer:

$$7.32 \times 10^6 - 4.01 \times 10^8$$

Answer:

Student Name: _____

Score: _____

Answers

<p><i>Example:</i> $7.4 \times 10^2 + 2.735 \times 10^6$</p> $7.4 \times 10^2 + 2.735 \times 10^6$ $= 0.00074 \times 10^6 + 2.735 \times 10^6$ $= (0.00074 + 2.735) \times 10^6$ $= 2.73574 \times 10^6$	$2 \times 10^3 - 1.9 \times 10^2$
Answer: 2.73574×10^6	Answer: 1.81×10^3
$5.2 \times 10^7 + 3.01 \times 10^4$	$2.005 \times 10^5 - 8.664 \times 10^2$
Answer: 5.20301×10^7	Answer: 1.996336×10^5
$6.2 \times 10^5 + 9.7 \times 10^1$	$7.32 \times 10^6 - 4.01 \times 10^8$
Answer: 6.20097×10^5	Answer: -3.9368×10^8